AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A support for a lithographic printing plate obtained by performing graining treatment including electrochemical graining treatment on an aluminum plate,

wherein said aluminum plate is an aluminum plate which is manufactured by a method including molten metal treatment, and contains Fe of 0.20 to 0.29 wt%, Si of 0.03 to 0.15 wt%, Cu of ~~0.020~~ 0.032 to 0.040 wt% and Ti of 0.050 wt% or less and whose remaining portion is composed of Al and unavoidable impurities,

and wherein surface area ratio and steepness obtained from three-dimensional data by measuring 512 × 512 points in 5 μm × 5 μm on the surface with an atomic force microscope each satisfies the following conditions (i) to (vi):

(i) ~~Surface~~ surface area ratio ΔS^5 is 30 to 70%;

(ii) ~~Surface~~ surface area ratio $\Delta S^{5(0.2-5)}$ is 10 to 30%;

(iii) ~~Surface~~ surface area ratio $\Delta S^{5(0.02-0.2)}$ is 30 to 70%;

(iv) ~~Steepness~~ steepness $a45^5$ is 20 to 50%;

(v) ~~Steepness~~ steepness $a45^{5(0.2-5)}$ is 5 to 20%; and

(vi) ~~Steepness~~ steepness $a45^{5(0.02-0.2)}$ is 20 to 60%,

wherein ΔS^5 which is found by the following equation from actual area S_x^5 found by an approximation three-point method from said three-dimensional data and geometrically measured area S_0^5 is surface area ratio expressed by $\Delta S^5 = [(S_x^5 - S_0^5) / S_0^5] \times 100$ (%);

$\Delta S^{5(0.2-5)}$ which is found by the following equation from actual area $S_x^{5(0.2-5)}$ obtained by extracting a component with wavelength of 0.2 μm or longer and 5 μm or shorter from said three-dimensional data and geometrically measured area S_0^5 is surface area ratio expressed by $\Delta S^{5(0.2-5)} = [(S_x^{5(0.2-5)} - S_0^5) / S_0^5] \times 100$ (%);

$\Delta S^{5(0.02-0.2)}$ which is found by the following equation from actual area $S_x^{5(0.02-0.2)}$ obtained by extracting a component with wavelength of 0.02 μm or longer and 0.2 μm or shorter from said three-dimensional data and geometrically measured area S_0^5 is surface area ratio expressed by $\Delta S^{5(0.02-0.2)} = [(S_x^{5(0.02-0.2)} - S_0^5) / S_0^5] \times 100$ (%);

steepness $a45^5$ is an area rate of a portion (area) having a slant with size of angle of 45° or bigger (gradient of 45° or bigger) to actual area S_x^5 found by an approximation three-point method from said three-dimensional data;

steepness $a45^{5(0.2-5)}$ is an area rate of a portion (area) having a slant with size of angle of 45° or bigger (gradient of 45° or bigger) to actual area $S_x^{5(0.2-5)}$ found by extracting a component with wavelength of 0.2 μm or longer and 5 μm or shorter from said three-dimensional data; and

steepness $a45^{5(0.02-0.2)}$ is an area rate of a portion (area) having a slant with size of angle of 45° or bigger (gradient of 45° or bigger) to actual area $S_x^{5(0.02-0.2)}$ found by extracting a component with wavelength of 0.02 μm or longer and 0.2 μm or shorter from said three-dimensional data.

2. (currently amended): A support for a lithographic printing plate obtained by performing graining treatment including electrochemical graining treatment on an aluminum plate,

wherein said aluminum plate is an aluminum plate which is manufactured by a method including molten metal treatment, and contains Fe of 0.20 to 0.29 wt%, Si of 0.03 to 0.15 wt%, Cu of ~~0.020~~ 0.032 to 0.040 wt% and Ti of 0.050 wt% or less and whose remaining portion is composed of Al and unavoidable impurities,

and wherein surface area ratio and steepness obtained from three-dimensional data by measuring 512 × 512 points in 50 μm × 50 μm on the surface with an atomic force microscope each satisfies the following conditions (xi) to (xvi):

(xi) ~~Surface~~ surface area ratio ΔS^{50} is 30 to 70%;

(xii) ~~Surface~~ surface area ratio $\Delta S^{50(2-50)}$ is 5 to 10%;

(xiii) ~~Surface~~ surface area ratio $\Delta S^{50(0.2-2)}$ is 15 to 40%;

(iv) ~~Steepness~~ steepness $a45^{50}$ is 25 to 60%;

(xv) ~~Steepness~~ steepness $a45^{50(2-50)}$ is 0 to 3.0%; and

(xvi) ~~Steepness~~ steepness $a45^{50(0.2-2)}$ is 10 to 40%,

wherein ΔS^{50} which is found by the following equation from actual area S_x^{50} found by an approximation three-point method from said three-dimensional data and geometrically measured area S_0^{50} is surface area ratio expressed by $\Delta S^{50} = [(S_x^{50} - S_0^{50}) / S_0^{50}] \times 100$ (%);

$\Delta S^{50(2-50)}$ which is found by the following equation from actual area $S_x^{50(2-50)}$ obtained by extracting a component with wavelength of 2 μm or longer and 50 μm or shorter from said three-dimensional data and geometrically measured area S_0^{50} is surface area ratio expressed by $\Delta S^{50(2-50)} = [(S_x^{50(2-50)} - S_0^{50}) / S_0^{50}] \times 100$ (%);

$\Delta S^{50(0.2-2)}$ which is found by the following equation from actual area $S_x^{50(0.2-2)}$ obtained by extracting a component with wavelength of 0.2 μm or longer and 2 μm or shorter from said three-dimensional data and geometrically measured area S_0^{50} is surface area ratio expressed by $\Delta S^{50(0.2-2)} = [(S_x^{50(0.2-2)} - S_0^{50}) / S_0^{50}] \times 100$ (%);

steepness $a45^{50}$ is an area rate of a portion (area) having a slant with size of angle of 45° or bigger (gradient of 45° or bigger) to actual area S_x^{50} found by an approximation three-point method from said three-dimensional data;

steepness $a45^{50(2-50)}$ is an area rate of a portion (area) having a slant with size of angle of 45° or bigger (gradient of 45° or bigger) to actual area $S_x^{50(2-50)}$ found by extracting a component with wavelength of 2 μm or longer and 50 μm or shorter from said three-dimensional data; and

steepness $a45^{50(0.2-2)}$ is the area rate of a portion (area) having a slant with size of angle of 45° or bigger (gradient of 45° or bigger) to actual area $S_x^{50(0.2-2)}$ found by extracting a component with wavelength of 0.2 μm or longer and 2 μm or shorter from said three-dimensional data.

3. (original): The support for a lithographic printing plate according to claim 1, wherein the number of local deep areas with a depth of 5 μm or more existent on the surface is 1.0 or less per 400 μm × 400 μm.

4. (original): The support for a lithographic printing plate according to claim 2, wherein the number of local deep areas with a depth of 5 μm or more existent on the surface is 1.0 or less per 400 μm × 400 μm.

5. (original): The support for a lithographic printing plate according to claim 1, wherein Si atom attached quantity on the surface is 0.1 to 30 mg/m^2.

6. (original): The support for a lithographic printing plate according to claim 2, wherein Si atom attached quantity on the surface is 0.1 to 30 mg/m^2.

7. (original): The support for a lithographic printing plate according to claim 3, wherein Si atom attached quantity on the surface is 0.1 to 30 mg/m^2.

8. (original): A presensitized plate provided with an image recording layer on the support for a lithographic printing plate according to claim 1.

9. (original): A presensitized plate provided with an image recording layer on the support for a lithographic printing plate according to claim 2.

10. (original): A presensitized plate provided with an image recording layer on the support for a lithographic printing plate according to claim 3.

11. (original): A presensitized plate provided with an image recording layer on the support for a lithographic printing plate according to claim 4.

12. (original): A presensitized plate provided with an image recording layer on the support for a lithographic printing plate according to claim 5.

13. (original): A presensitized plate provided with an image recording layer on the support for a lithographic printing plate according to claim 6.

14. (original): A presensitized plate provided with an image recording layer on the support for a lithographic printing plate according to claim 7.

15. (currently amended): The presensitized plate according to claim 8, wherein the presensitized plate is a presensitized plate for a laser printing plate.

16. (currently amended): The presensitized plate according to claim 9, wherein the presensitized plate is a presensitized plate for a laser printing plate.

17. (currently amended): The presensitized plate according to claim 10, wherein the presensitized plate is a presensitized plate for a laser printing plate.

18. (currently amended): The presensitized plate according to claim 11, wherein the presensitized plate is a presensitized plate for a laser printing plate.

19. (currently amended): The presensitized plate according to claim 12, wherein the presensitized plate is a presensitized plate for a laser printing plate.

20. (currently amended): The presensitized plate according to claim 13, wherein the presensitized plate is a presensitized plate for a laser printing plate.

21. (currently amended): The presensitized plate according to claim 14, wherein the presensitized plate is a presensitized plate for a laser printing plate.